Observations of Occultations of Stars by the Eclipsed Moon on 1892 May 11, at the Radcliffe Observatory, Oxford.

Communicated by E. J. Stone, Esq., F.R.S., Radcliffe Observer.

The following Disappearances were observed by Mr. Wickham, using the Barclay Equatoreal with power 90 and Solar Chronometer Dent 44675.

Name.	Mag.	Time by Chronometer.	Observed G.M.T.	Remarks.
		h m s	h m s	
B.D. −18° 4047	9·0	9 48 13·2	9 47 56·6	Good; instantaneous.
−19 4091	8·3	10 15 24·2	10 15 7·5	Very good.
−19 4093	9·2	10 19 4·3	10 18 47·6	Rather slow.
−19 4095	8·9	10 33 22·2	10 33 5·4	Good.

The disappearance of B.D. −19° 4087 was not seen, being too near the illuminated limb.

The reappearance of B.D. −18° 4047, mag. 9·0, was looked for, both before predicted time and for quite five minutes after. The observer then suspecting some error, turned rapidly to the chronometer to check his count; looking back immediately into the telescope he saw the star had just reappeared and was still in contact with the limb. The G.M.T. of reappearance $10^h\ 30^m\ 47^s$ is, therefore, approximate only.

At $10^h\ 43^m$ the sky became overcast, and continued so during the remaining time of the eclipse.

Radcliffe Observatory, Oxford:
1892 *May* 13.

Ephemeris of the Satellites of Mars, 1892. By A. Marth.

		Phobos.			*Deimos.*				
Greenwich Noon.	P	a_1	b_1	u_1-U	a_2	b_2	u_2-U	U	B
1892.	°	″	″	°	″	″	°	°	°
June 10	1·46	22·43	−6·13	255·92	56·12	−15·34	244·54	267·67	−15·86
12	1·10	22·91	6·28	353·12	57·33	15·71	94·31	268·24	15·90
14	0·77	23·40	6·42	90·36	58·57	16·07	304·12	268·77	15·93
16	0·46	23·91	6·56	187·63	59·83	16·43	153·97	269·26	15·94
18	0·18	24·42	6·70	284·93	61·11	16·77	3·86	269·72	15·93
20	359·92	24·94	−6·84	22·28	62·41	−17·11	213·79	270·14	−15·91
22	359·68	25·47	6·97	119·67	63·73	17·43	63·76	270·51	15·87
24	359·48	26·00	7·09	217·10	65·06	17·74	273·77	270·83	15·82
26	359·30	26·53	7·20	314·57	66·40	18·03	123·83	271·11	15·75
28	359·16	27·07	7·31	52·09	67·75	18·30	333·94	271·34	15·67
30	359·04	27·61	−7·41	149·66	69·10	−18·55	184·10	271·53	−15·57
July 2	358·96	28·15	7·50	247·27	70·45	18·78	34·30	271·66	15·46
4	358·90	28·69	7·59	344·93	71·79	18·98	244·55	271·75	15·33
6	358·88	29·22	7·66	82·64	73·12	19·16	94·86	271·78	15·19
8	358·89	29·74	7·72	180·39	74·42	19·31	305·21	271·77	15·04
10	358·93	30·25	−7·77	278·19	75·69	−19·43	155·61	271·70	−14·88
12	359·00	30·74	7·80	16·04	76·93	19·52	6·06	271·58	14·70
14	359·10	31·22	7·82	113·94	78·13	19·58	216·56	271·42	14·52
16	399·24	31·67	7·83	211·88	79·27	19·61	67·11	271·21	14·32
18	359·40	32·10	7·83	309·86	80·35	19·60	277·70	270·95	14·12
20	359·59	32·51	−7·81	47·89	81·35	−19·56	128·34	270·64	−13·91
22	359·81	32·88	7·78	145·96	82·27	19·48	339·02	270·29	13·70
24	0·06	33·21	7·74	244·06	83·10	19·37	189·73	269·91	13·48
26	0·33	33·50	7·68	342·19	83·83	19·23	40·48	269·49	13·26
28	0·61	33·75	7·62	80·34	84·45	19·06	251·26	269·05	13·04
30	0·91	33·95	−7·54	178·51	84·95	−18·87	102·06	268·58	−12·83
Aug. 1	1·22	34·10	7·45	276·90	85·33	18·65	312·87	268·09	12·62
3	1·54	34·20	7·36	14·89	85·59	18·41	163·70	267·59	12·42
5	1·87	34·26	7·26	113·09	85·72	18·16	14·53	267·09	12·23
7	2·20	34·26	7·16	211·29	85·73	17·90	225·36	266·58	12·05
9	2·52	34·21	−7·05	309·48	85·61	−17·63	76·18	266·08	−11·89
11	2·84	34·11	6·94	47·65	85·37	17·36	287·00	265·59	11·74
13	3·15	33·97	6·83	145·81	85·00	17·10	137·80	265·11	11·61
15	3·45	33·78	6·73	243·94	84·52	16·84	348·58	264·65	11·49